



# SPYWOLF

## Security Audit Report



Completed on  
**July 2, 2022**

MADE IN USA 

@SPYWOLFNETWORK



@SPYWOLFNETWORK



SPYWOLF.CO





# OVERVIEW

This audit has been prepared for **Tipyield** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# Tipyield

# tipyield++



# tipyield++

## PROJECT DESCRIPTION

### According to their website:

Tipyield (TY+) is a Binance Chain Token. The token will encourage hodl and utilisation of the token within the ecosystem by having a 9% tax on its buy transaction and rewarding holders by them getting 4% of this tax, 3% will go to providing liquidity in exchanges and 2% to the business to support it and ensure marketing.

Future developments of the project - TYSwap TY+ exchange, TYBet punting and betting platform, Automatic Liquidity Pools, DAO and governance.

**Release Date:** Presale starts on July 29, 2022

**Category:** Staking

# 01



# CONTRACT INFO

Token Name  
Tipyield

Symbol  
TY+

Contract Address

0x9Fb5F96598cD417E3ba52ac8dB8730F6dDB1ca65

Network

Binance Smart Chain

Language

Solidity

Deployment Date

June 03, 2022

Verified?

Yes

Total Supply

55,000,000

Status

Not launched

## TAXES

Buy Tax

**9%**

Sell Tax

**9%**

\*Taxes can be changed in future



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# CURRENT STATS

(As of July 02, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:  
**Not Launched!**

MaxTxAmount  
No limit

DEX:  
PancakeSwap

LP Address(es)

Liquidity not added yet



## TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	55000000 TY+
Median Transfer Amount	55000000 TY+
Average Transfer Amount	55000000 TY+
First transfer date	2022-06-03
Last transfer date	2022-06-03
Days token transferred	1

## SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2022-06-07 06:55:39 AM +UTC
Created	2022-06-03 01:30:36 PM +UTC
Create TX	0xa0a390db05acbc03b081a5e827d224f567 b79659ed6002ec1e09d7b6a6870ece
Creator	0x0af1c81be044f4b35cbc08870e1c2119845b 558c



# FEATURED WALLETS

Owner address	0x0af1c81be044f4b35cbc08870e1c2119845b558c
Charity address	0xcb0d1d33911169e103517542500ec07c307b314c
LP address	Liquidity not added yet

## TOP 3 UNLOCKED WALLETS

1



Same as owner

Tokens are not distributed yet





# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



# FOUND THREATS

## ⚠ Medium Risk

Owner can change buy/sell fees up to 25%, combined buy+sell=50%.

```
function setTaxFeePercent(uint256 taxFeeBps) external onlyOwner {
    _taxFee = taxFeeBps;
    require(
        _taxFee + _liquidityFee + _charityFee <= 10**4 / 4,
        "Total fee is over 25%"
    );
}

function setLiquidityFeePercent(uint256 liquidityFeeBps)
    external
    onlyOwner
{
    _liquidityFee = liquidityFeeBps;
    require(
        _taxFee + _liquidityFee + _charityFee <= 10**4 / 4,
        "Total fee is over 25%"
    );
}
```

- Recommendation:
  - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.



## Informational

Owner can exclude address from fees.

```
function excludeFromFee(address account) public onlyOwner {  
    _isExcludedFromFee[account] = true;  
}
```





RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## Tipyield

### GOOD PRACTICES FOUND

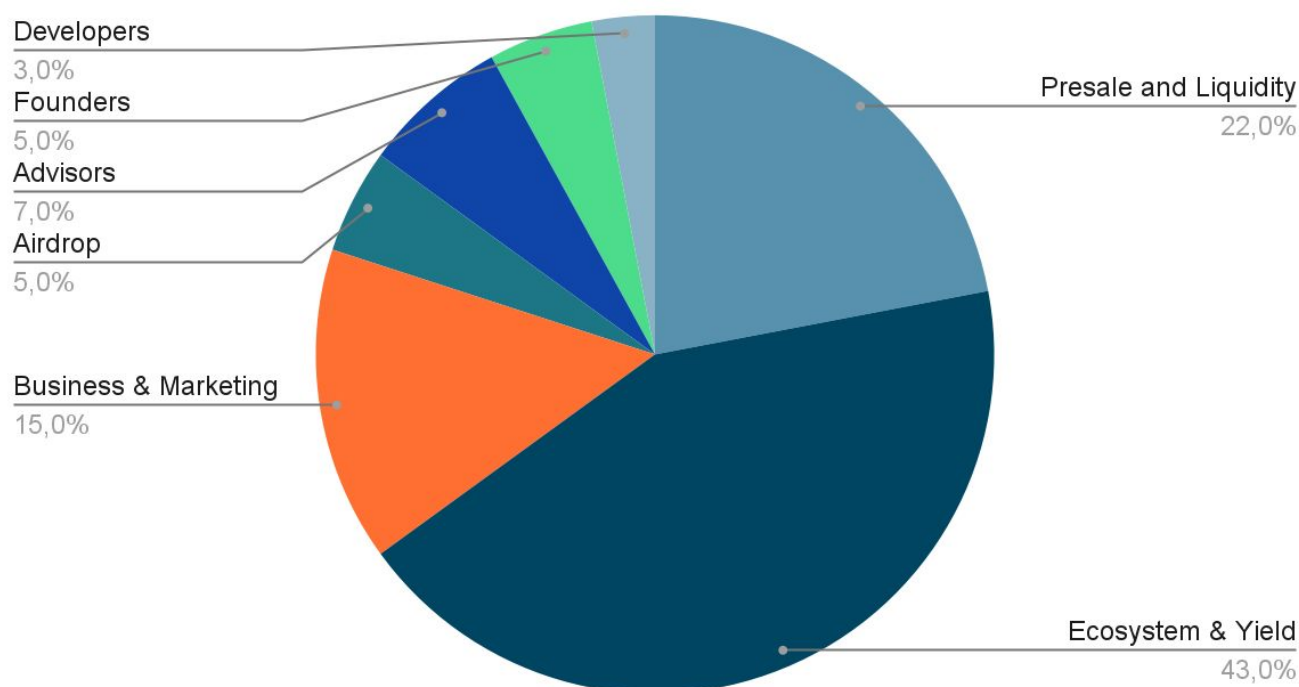
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner can set a transaction limit, but can't lower it than 1% of total supply
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



\*The following tokenomics are based on the project's whitepaper and/or website:

- 22% - Presale and Liquidity
- 43% - Ecosystem and yielding
- 15% - Business & Marketing
- 5% - Airdrop
- 7% - Advisors
- 5% - Founders
- 3% - Developers

Tokens distribution



TOKENOMICS



# THE TEAM

The team has privately doxxed to SPYWOLF by completing the following KYC requirements:

- ID Verification
- Video statement
- Video interview with devs
- Owner's wallet verification

## KYC INFORMATION

Issuer

SPYWOLF

Members KYC'd



KYC Date

July 02, 2022

Format

Image

Certificate Link

[https://github.com/SpyWolfNetwork/KYCs/blob/main/june/KYC\\_Tipyield\\_0x9Fb5F96598cD417E3ba52ac8dB8730F6dDB1ca65.png](https://github.com/SpyWolfNetwork/KYCs/blob/main/june/KYC_Tipyield_0x9Fb5F96598cD417E3ba52ac8dB8730F6dDB1ca65.png)





# WEBSITE

## Website URL

<https://tipyield.com/>

## Domain Registry

<http://www.namecheap.com>

## Domain Expiration

Expires on 2023-06-01

## Technical SEO Test

Passed

## Security Test

Passed. SSL certificate present

## Design

Unique design and appropriate color scheme.

## Content

The information helps new investors understand what the product does right away. No grammar errors found.

## Whitepaper

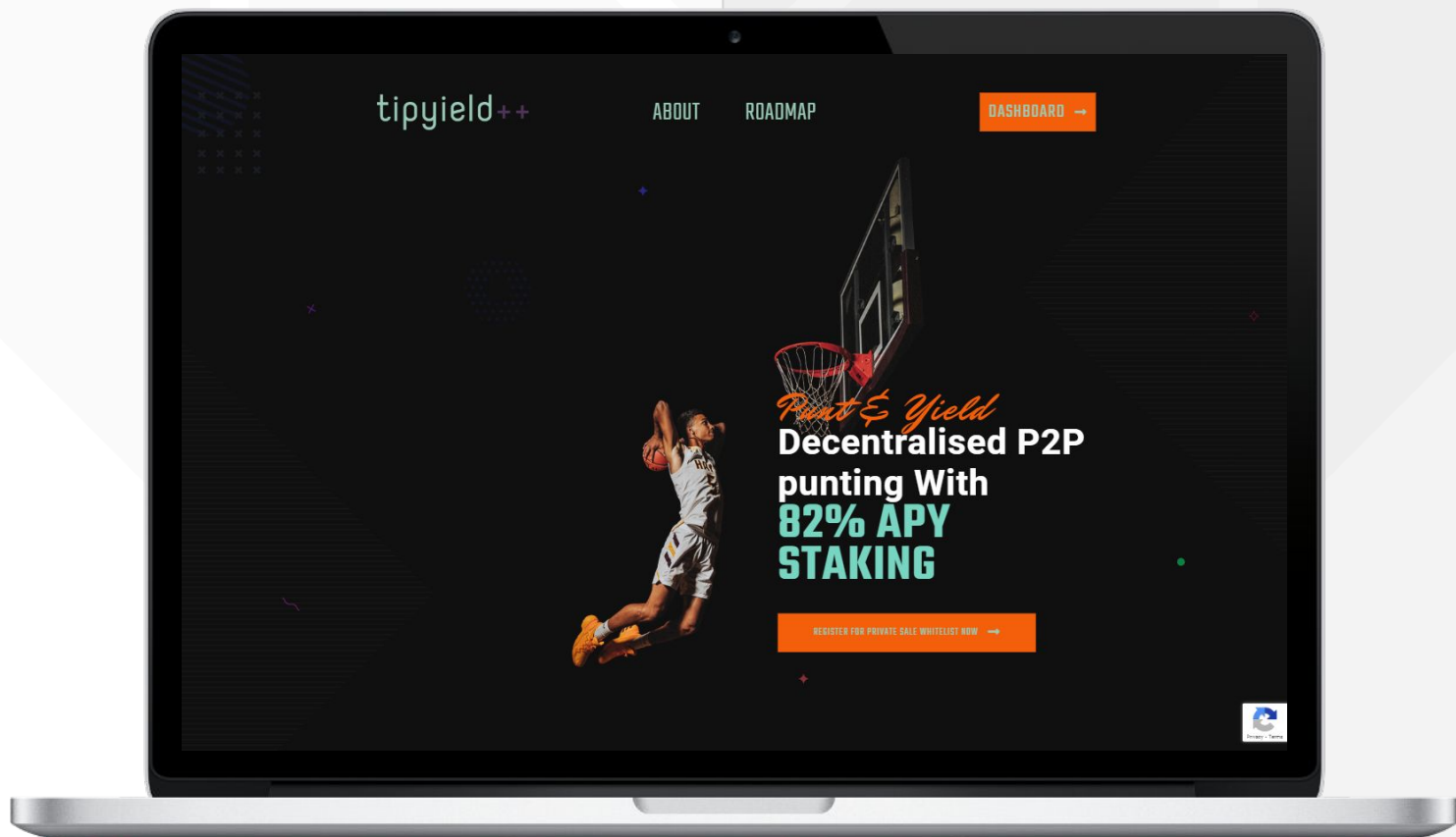
Very well written and explanatory.

## Roadmap

Yes, goals set with time frames.

## Mobile-friendly?

Yes



# tipyield.com



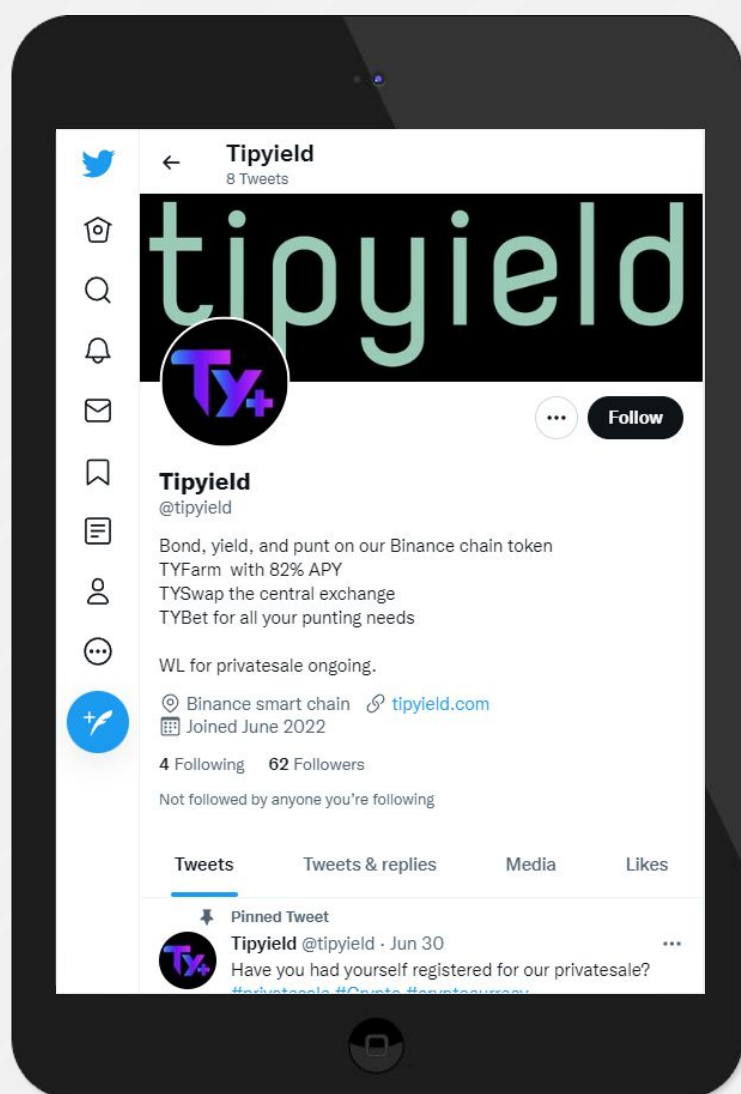


# SOCIAL MEDIA & ONLINE PRESENCE



## ANALYSIS

Project's social media presence is very recent (few days old). The mods are active, there are few organic interactions on Telegram and low activity on Twitter.



**Twitter**

@tipyield

- 64 followers
- Recently active - 8 tweets, last one July 03
- Few active followers



**Discord**

Discord link here

- Not available



**Telegram**

@thetipyielders

- 1085 members
- Active mods/team
- Few organic interactions



**Medium**

Medium link here

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

## ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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[contact@spywolf.co](mailto:contact@spywolf.co) or  
[t.me/joe\\_SpyWolf](https://t.me/joe_SpyWolf)

### FIND US ONLINE



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[@SPYWOLFNETWORK](https://twitter.com/SPYWOLFNETWORK)



[@SPYWOLFNETWORK](https://github.com/SPYWOLFNETWORK)



# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.